



8795 전자유량계 기술사양서

Emerson Rosemount 8795 Magnetic Flow Meter Datasheet · English Edition

Global Industrial Cable Management Solutions

Rosemount™ 8795 Magnetic Flow Meter

Designed for Hydronic Flows in Data Centers



- Industry-leading performance
 - Standard reference accuracy of 0.20% of rate
 - Zero Diameter reference accuracy of 0.50% of rate with Short Run Install option
 - Conductivity 5 μ S/cm
- Compatibility with Rosemount 9732, Rosemount 8732, and Rosemount 8712 transmitters

Product specifications

Table 1: Rosemount 8795 Magnetic Flow Meter Sensor

Component	Description
Liner material	PTFE
Electrodes	Two Measurement Electrodes; 316L stainless steel
Process temperature	-20°C to 60°C; -4°F to 140°F
Approvals	Ordinary Location (non-hazardous)
Flange connection	Slip On Raised Face; ASME B16.5 Class 150; EN 1092-1 PN10, PN16
Line sizes	2" to 18" (50mm to 450mm)
Conduit entries	½-14 NPT; M20

	8795 with 9732 integral mount	8795 with 8732 integral mount	8795 with 8732 remote mount	8795 with 8712 wall mount
Accuracy	0.2% ± 2mm/s	0.2% ± 2mm/s	0.2% ± 2mm/s	0.2% ± 2mm/s
Zero diameter install accuracy	0.5% at OD with Short Run Install option	N/A	N/A	N/A
Conductivity	5µS/cm	5µS/cm	5µS/cm	5µS/cm
Approvals	Ordinary location (non-hazardous)	Ordinary location (non-hazardous)	Ordinary location (non-hazardous)	Ordinary location (non-hazardous)
Protocols	3 channel configurable; dual 4-20mA plus Modbus	-20mA Digital HART + Pulse; Dual 4-20mA with Splitter; Ethernet + Pulse; Modbus + Pulse	-20mA Digital HART + Pulse; Dual 4-20mA with Splitter; Ethernet + Pulse; Modbus + Pulse	-20mA Digital HART + Pulse; Dual 4-20mA with Splitter; Modbus + Pulse
Power supply	Universal Power (18 - 100 VDC; 85 - 240 VAC, 50/60 Hz)	DC (12 to 42VDC) or AC (90 to 250VAC, 50-60Hz)	DC (12 to 42VDC) or AC (90 to 250VAC, 50-60Hz)	DC (12 to 42VDC) or AC (90 to 250VAC, 50-60Hz)
User interface	Backlit graphical display with four button interface; USB service port; ProLink III	Four Button Interface; ProLink III	Four Button Interface; ProLink III	Twelve Button Interface; ProLink III
Conduit entries	½-14 NPT; M20	½-14 NPT; M20	½-14 NPT; M20	½-14 NPT; M20
Included diagnostics	SMV basic, grounding and wiring fault detection	Grounding and wiring fault detection	Grounding and wiring fault detection	Grounding and wiring fault detection
Diagnostic software	Smart Meter Verification Professional	Smart Meter Verification	Smart Meter Verification	Smart Meter Verification
Onboard record keeping	Historian with real time clock; Data logger	N/A	N/A	N/A
Remote cabling distance	N/A	N/A	500 ft (152 m) with Emerson cabling	500 ft (152 m) with Emerson cabling

Transmitter overview

The Rosemount 8795 Magnetic Flow Meter Sensor is specifically designed for building management systems applications associated with data center cooling loops. Experience the quality and reliability you expect from Emerson, with the functionality data centers need.

Type	General characteristics
Rosemount 9732 Field Mount Transmitter	• Integral configuration available • Three configurable inputs and outputs with HART®/Analog, Modbus® RS-485 and pulse output available • Grounding and Wiring fault detection diagnostics included standard • Smart Meter Verification Basic included standard • Smart Meter Verification Professional available • Short Run Install software allowing 0.5% accuracy in reduced straight run installations • Universal power supply compatible with AC or DC power • Universal Service Port for USB or direct computer configuration • Graphical backlit display with four capacitive button user interface optional • Bluetooth wireless technology display optional available with range of 49ft (14.94m)
Rosemount 8732 Field Mount Transmitter	• Integral and remote configurations available • HART®/Analog and pulse output available • Modbus® RS-485 and pulse output available • EtherNet/IP™ and pulse output available • Grounding and Wiring fault detection diagnostics included standard • Advanced diagnostics and Smart Meter Verification available • LCD display, optional (with optional switch local operator interface) • Three independent totalizers (A/B/C) • Two discrete channels (optional)
Rosemount 8712 Wall Mount Transmitter	• Wall mount configuration available • HART/Analog and pulse outputs available • Modbus RS-485 and pulse output available • Grounding and Wiring fault detection diagnostics included standard • Advanced diagnostics and Smart Meter Verification available • Local LCD display, optional (with optional 15-button tactile keypad) • Three independent totalizers (A/B/C) • Two discrete channels (optional)

Ordering guide

Model string tables

Figure 1: 8795 Model String Table

Rosemount 8795 Magnetic Flow Meter Sensor		
Line Size	LS	2, 3, 4, 6, 8, 10, 12, 14, 16, 18 in 50, 80, 100, 150, 200, 250, 300, 345, 400, 450mm
Liner Material	LM	PTFE
Electrode Material	EM	316L stainless steel
Electrode Type	ET	Two Measurement Electrodes
Flange Material	FM	Carbon Steel
Flange Type	FT	Slip On Raised Face
Flange Rating	FR	ASME B16.5 Class 150; EN 1092-1 PN10, PN16
Mounting Configuration	MC	Integral mount transmitter; Remote mount transmitter (transmitter configured separately)
Conduit Entries	CE	½-14 NPT; M20; None, Integral Mount Configuration
Safety Approval	SA	Ordinary Location (non-hazardous)

Model	LS	REV	LM	EM	ET	FM	FT	FR	HSG	MC	CE	SA
8795		A	T	S	A	C	A		W0			U0

LS	Line Size
020	2.0" / 50 mm
030	3.0" / 80 mm
040	4.0" / 100 mm
060	6.0" / 150 mm
080	8.0" / 200 mm
100	10.0" / 250 mm
120	12.0" / 300 mm
140	14.0" / 350 mm
160	16.0" / 400 mm
180	18.0" / 450 mm

FR	Flange Rating
1	ASME B16.5, Class 150
D	EN1092-1, PN10
E	EN1092-1, PN16

MC	Mounting Configuration
T8	Integral Mount 8700 Transmitter
R8	Remote Mount 8700 Transmitter
T9	Integral Mount 9000 Transmitter

CE	Conduit Entries
1	½-14 NPT
2	M20
Z	None, Integral Mount Configuration

Figure 2: 9732 Model String Table

Rosemount 9732 Series Magnetic Flow Meter Transmitter													
Mounting	MTG	Integral Field Mount											
Housing Material	MTL	Aluminum Housing											
Power Supply	PS	Universal Power (18 - 100 VDC; 85 - 240 VAC, 50/60 Hz), Automatic Switching											
Display Option	DO	Backlit Graphical Display with Four Button Interface											
Output	OHB	Configurable Outputs, 3 Channels; dual 4-20mA plus Modbus											
Conduit Entries	CE	½-14 NPT; M20											
Approvals	SA	Ordinary Locations (non-hazardous)											

Model	REV	MTG	MTL	PS	DO	OHB	OA	OB	OC	CE	SA	FO	Optional
9732	A	T	A	U	G	A					U0	Z	

OA	Output Channel A	
A	4-20mA HART, FO, DO	
Z	Channel Off	

OB	Output Channel B	
A	4-20mA, FO, DI, DO	
Z	Channel Off	

OC	Output Channel C	
A	RS-485 Modbus	
Z	Channel Off	

CE	Conduit Entries	
1	½-14 NPT	
2	M20	

Optional	
MV	Smart Meter Verification
HS	Historian with Real Time Clock
SR1	Short Run Install
C1	Custom Configuration

Figure 3: 8700 Model String Table

Rosemount 8700 Series Magnetic Flow Meter Transmitter		
Power Supply	PS	Dedicated AC (90 to 250VAC, 50-60Hz); Dedicated DC (12 to 42VDC)
Output	TO	4-20mA Digital HART-7 + Pulse; Dual 4-20mA with Splitter; Ethernet + Pulse; Modbus + Pulse
Conduit Entries	CE	½-14 NPT; M20
Approvals	SA	Ordinary Locations (non-hazardous)
User Interface	M4	Local Operator Interface; ProLink III

Model	PS	TO	CE	SA	Optional
				U0	M4

Model	Transmitter
8732 EMT	Integral Mount
8732 EMR	Remote Mount
8712 EMR	Wall Mount

PS	Power Supply
1	AC (90 to 250 V AC, 50-60Hz)
2	DC (12 to 42V DC)

TO	Output
A	4-20mA + Pulse
E	Ethernet + Pulse (<i>8732 only</i>)
M	Modbus + Pulse

CE	Conduit Entries
1	½-14 NPT
2	M20

Optional	
DA2	Smart Meter Verification
C1	Custom Configuration
Q4	Calibration Certificate per ISO 10474 3.1B/EN 10204 3.1
AS1	Dual 4-20mA Output with Splitter – External Powered
AS2	Dual 4-20mA Output with Splitter – Loop Powered

Ordering procedure

To order, select the desired sensor and transmitter (if applicable), by specifying model codes from the Ordering table.

For remote transmitter applications, note the cable specification requirements.

Sensors and transmitters must be selected from the appropriate product data sheet, unless otherwise noted.

Standard configuration

Unless the Configuration Data Sheet is completed, the transmitter will be shipped as follows:

Engineering units	Ft/s
4 mA	0
20 mA	30
Empty pipe	On
Default 8795 sensor calibration number when paired with 8700M Transmitters	1000005010000005
Default 8795 sensor calibration number when paired with 9732 Transmitter	Refer to Table 2 .

Table 2: Default 8795 Sensor Calibration Number When Paired with 9732 Transmitter

Parameter item	Value	Description
Mode_1:	5	Type of sensor
Mode_1:	1B1E	Coil Current=125mA, Low Hz=11Hz, High Hz=37.5Hz
FLowGain:	10000	Nominal gain value low Hz
FHighGain:	10000	Nominal gain value high Hz
Offset:	200	Nominal offset
FLowAZ:	10000	Low Hz nominal AZ = 0
FHighAZ:	10000	High Hz nominal AZ = 0
CGC:	500	Nominal current gain compensation

Integrally mounted transmitters are factory configured with the paired sensor size and appropriate calibration number.

Table 3: Main Label

Model string	1 line, height 0.075"
Tag name	1 line, 25 characters, height 0.075 in

Interconnecting cable

Interconnecting cables are required to connect a remote-mount transmitter to the sensor. When ordering cable, review the hazardous area approval requirements and the installation location requirements for proper cable selection.

- Cables can be ordered as individual component cables or a combination coil drive/electrode cable.
- Cables can be ordered as part of the transmitter model number or as a spare parts kit. Integrally mounted transmitters are factory wired and do not require additional interconnecting cables.
- Individual component cables require equal lengths of coil drive cable and electrode cable and should be limited to less than 500 ft. (152 m). Consult an Emerson representative for lengths between 500 to 1000 ft. (152 to 300 m).
- Combination coil drive/electrode cable is only available for Ordinary Locations and should be limited to less than 330 ft. (100 m).

Component table kits

Table 4: Standard temperature: -4 to +167 °F (-20 °C to +80 °C)

Cable kit number	Description	Component	Alpha directs P/N	Alpha equivalent
08732-0065-001 (feet)	Kit, component cables, standard temperature (includes coil and electrode)	Coil	518243	2442C
		Electrode	518245	2413C
08732-0065-0002 (meters)	Kit, component cables, standard temperature (includes coil and electrode)	Coil	N/A	N/A
		Electrode	N/A	N/A
08732-0065-0003 (feet)	Kit, component cables, standard temperature (includes coil and Intrinsically Safe [I.S.] electrode)	Coil	518243	N/A
		Electrode	518244	N/A
08732-0065-0004 (meter)	Kit, component cables, standard temperature (includes coil and Intrinsically Safe [I.S.] electrode)	Coil	N/A	N/A
		Electrode	N/A	N/A

Combo cable kits

Table 5: Coil/electrode cable: -4 to +176 F (-20 to +80 C)

Cable kit number ⁽¹⁾	Description
08732-0065-2001 (feet)	Kit, combo cable, standard
08732-0065-2002 (meters)	

(1) Only available for Ordinary locations.

Magnetic flow meter sizing

Consider the physical properties of the process fluid, as well as the fluid velocity. It may be necessary to select a flow sensor that is larger or smaller than the adjacent piping to ensure the fluid velocity is in the recommended flow range for the application.

Table 6: Sizing Guidelines

Application	Velocity range (ft/s)	Velocity range (m/s)
Full range	0 to 39	0 to 12
Preferred service	2 to 20	0.6 to 6.1
Abrasive slurries	Sensor not applicable	Sensor not applicable
Non-abrasive slurries	Sensor not applicable	Sensor not applicable

Note

Operation outside these guidelines may also give acceptable performance.

To convert flow rate to velocity, use the appropriate factor listed in [Table 7](#) and the following equation:

$$\text{Velocity} = \frac{\text{Flow Rate}}{\text{Factor}}$$

Example: Imperial units	Example: SI units
Magmeter size: 4 in. (factor from Table 7 = 39.679)	Magmeter size: 100 mm (factor from Table 7 = 492.78)
Normal flow rate: 300 gpm	Normal flow rate: 800 L/min
$\text{Velocity} = \frac{300 \text{ (gpm)}}{39.679}$ Velocity = 7.56 ft/s	$\text{Velocity} = \frac{800 \text{ (L/min)}}{492.78}$ Velocity = 1.62 m/s

Table 7: Line Size vs. Conversion Factor

Nominal line size in inches (millimeters)	Gallons per minute (gpm) factor	Liters per minute (L/min) factor
2 (50)	10.459	129.89
3 (80)	23.042	286.17
4 (100)	39.679	492.78
6 (150)	90.048	1,118.3
8 (200)	155.93	1,936.5
10 (250)	245.78	3,052.4
12 (300)	352.51	4,378.0
14 (350)	421.70	5,237.3
16 (400)	550.80	6,840.6
18 (450)	697.19	8,658.6

Table 8: Line Size vs. Velocity/Rate

Nominal line size in inches (mm)	Minimum/maximum flow rate							
	Gallons per minute (gpm)				Liters per minute (L/min)			
	@ 0.04 ft/s (low-flow cutoff)	@ 1 ft/s (minimum range setting)	@ 3 ft/s	@ 39.37 ft/s (maximum range setting)	@ 0.012 m/s (low-flow cutoff)	@ 0.3 m/s (minimum range setting)	@ 1 m/s	@ 12 m/s (maximum range setting)
2 (50)	0.418	10.459	31.38	411.77	1.559	38.97	129.89	1,558.7
3 (80)	0.922	23.042	69.13	907.17	3.434	85.85	286.17	3,434.0
4 (100)	1.587	39.679	119.04	1,562.2	5.913	147.84	492.78	5,913.4
6 (150)	3.602	90.048	270.14	3,545.2	13.42	335.50	1,118.3	13,420
8 (200)	6.237	155.93	467.79	6,138.9	23.24	580.96	1,936.5	23,238
10 (250)	9.831	245.78	737.34	9,676.3	36.63	915.73	3,052.4	36,629
12 (300)	14.10	352.51	1,057.5	13,878	52.54	1,313.4	4,378.0	52,535
14 (350)	16.87	421.71	1,265.1	16,603	62.85	1,571.2	5,237.3	62,848
16 (400)	22.03	550.80	1,652.4	21,685	82.09	2,052.2	6,840.6	82,087
18 (450)	27.89	697.19	2,091.6	27,448	103.90	2,597.6	8,658.6	103,903

Magnetic Flow Meter Diagnostics

Rosemount 9732 diagnostics

Short Run Install (SR1 option code)

- Enables high-accuracy flow measurement in installations with reduced upstream and downstream straight piping, improving flexibility in space-constrained applications.
- Enables up to 0.5% accuracy in reduced straight-run installations through a proprietary compensation algorithm
- Automatically adjusts for common upstream disturbances without requiring additional hardware or added pressure drop
- Short Run Installation is a licensed option that can be configured at the time of order or enabled later in the field, allowing flexible deployment based on application needs.

Historian (HS option code)

- Automatically captures process and diagnostic data directly at the device—no external historian required
- Enables trend analysis, troubleshooting, and performance insights
- Fast and slow recording modes:
 - 1-sec data stored for up to 11 days
 - 10-minute averaged data stored for up to 1 year

SMART Meter Verification Professional (MV option code on 9732 Transmitter)

- Allows verification of the flow meter calibration without removing the sensor from the process.
- Smart Meter Verification Basic (included with all 9000 Series transmitters):
 - Establishes a baseline for the meter
 - Provides access to SMV measurement values
 - Achieves quick, accurate flow meter troubleshooting without the use of external tools through Sensor Health Test
 - Provides simple pass/fail results of meter health
- Smart Meter Verification Professional is a licensed option providing customizable SMV test criteria, scheduled and continuous SMV, a log of the previous 20 SMV reports, and a printable report when paired with ProLink Basic or Professional software.

Table 9: Smart Meter Verification capabilities

Capability	Basic	Professional 90-day trial, licensed
SMV baseline	•	•
SMV pass/fail	•	•
SMV measurement values	•	•
Sensor Health Test	•	•
Configurable test criteria		•
Print previous 20 SMV reports		•
Schedulable SMV ⁽¹⁾		•
Continuous SMV		•

⁽¹⁾ The maximum communication range will vary depending on orientation, obstacles (person, metal, wall, etc.) or electromagnetic environment.

SMART Meter Verification (DA2 option code on 8732EM and 8712EM)

- Allows verification of the flow meter calibration without removing the sensor from the process.
- Achieves quick, accurate flow meter troubleshooting without the use of external tools.
- Smart Meter Verification (SMV) is a licensed option providing customizable SMV test criteria, scheduled and continuous SMV, and a printable report when paired with ProLink III Basic or SMV Professional software.

Note

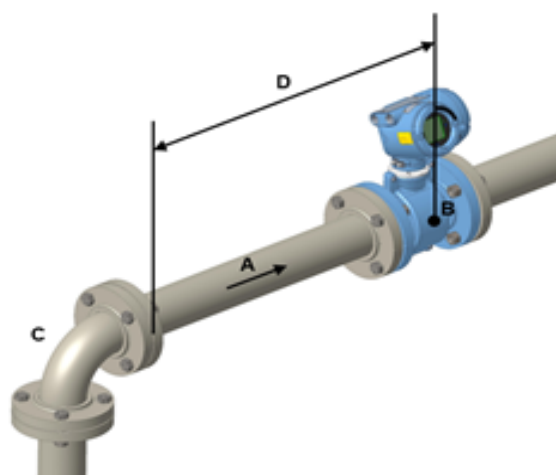
SMV Basic is only available on 9732 Transmitter.

Installation requirements

- Sensor process reference grounding;
In addition to grounding required by applicable safety/electrical standards or codes, a reliable process reference ground path is required between the sensor and the process fluid. Be sure to utilize included grounding straps to ensure magnetic flow meter is properly grounded.
- Upstream and downstream piping:
To ensure specified accuracy, Emerson recommends installing the sensor with a minimum of five straight pipe diameters upstream and two pipe diameters downstream from the electrode plane.

Installations with reduced straight runs are possible and are highly repeatable, but do not meet the standard accuracy specification. In reduced straight run installations such as OD, consider licensing Short Run Installation software to achieve 0.5% accuracy.

Figure 4: Electrode Out of Plane



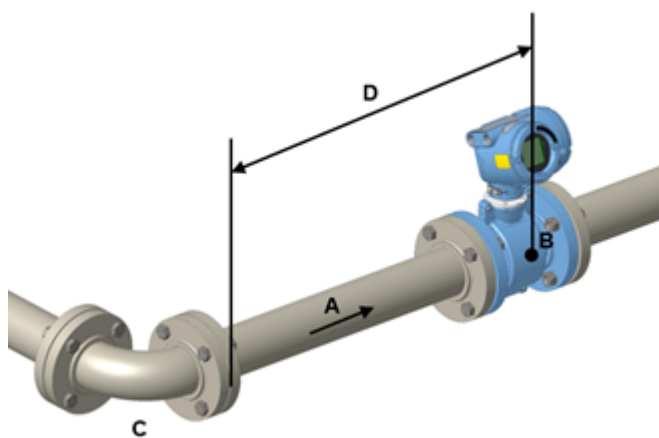
A. Electrode in Plane

B. Flow Direction

C. Electrode

D. Upstream Flow Disturbance

E. Distance to Disturbance Flange

Figure 5: Electrode In Plane

- A. Electrode in Plane**
- B. Flow Direction**
- C. Electrode**
- D. Upstream Flow Disturbance**
- E. Distance to Disturbance Flange**

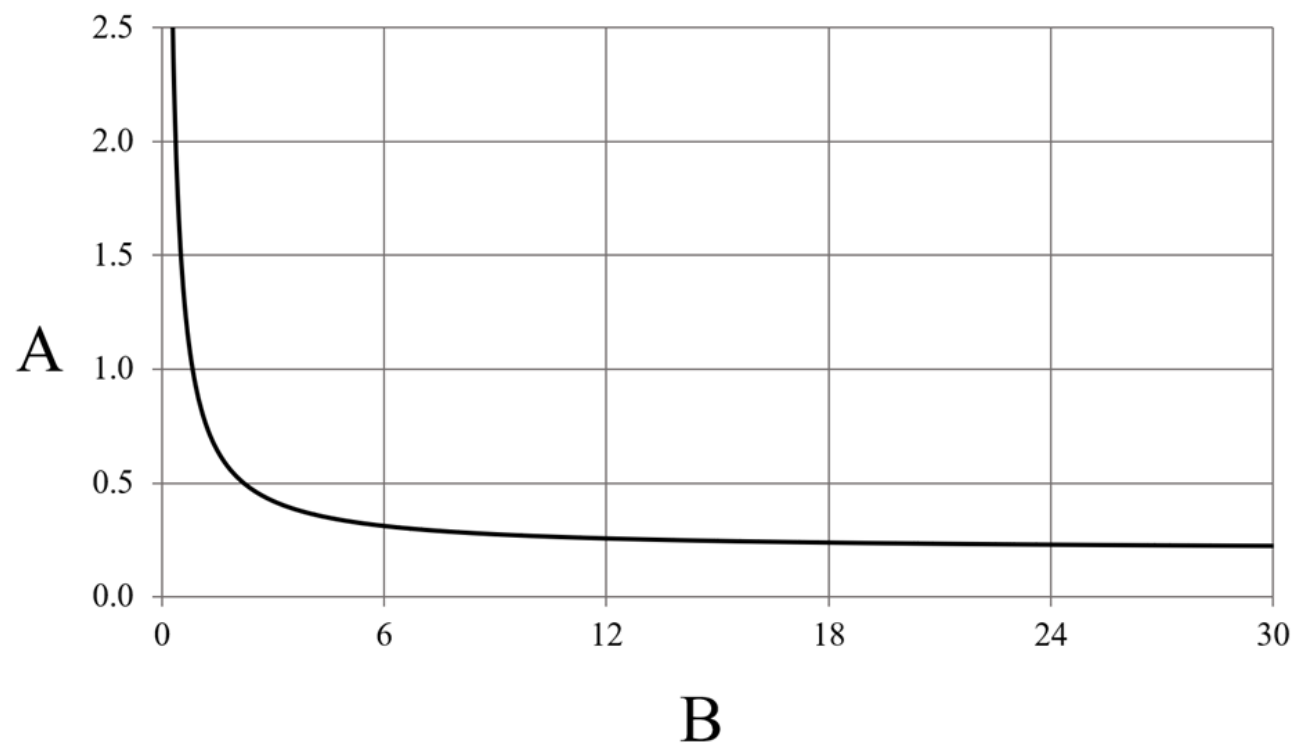
Functional Specifications

Functional specifications for the Rosemount 8795, 9732, 8732, and the 8712

Rosemount 8795 functional specifications

Standard system accuracy

- 0.2% of rate + 2 mm/s from 0.04 to 6 ft/s (0.01 to 2 m/s)
- 0.2% of rate + 2.5 mm/s above 6 ft/s (2 m/s)



- A. Percentage of Rate**
- B. Velocity in ft/s (m/s)**

Services: heating and cooling applications, conductive liquids

Line sizes: 2 in. to 18 in.

Sensor coil resistance: 2 to 20 ohm

Interchangeability: The Rosemount 8795 sensor is interchangeable with 9732, 8732EM, 8712EM transmitters. System accuracy is maintained regardless of line size or optional features. Each sensor nameplate has a calibration number that can be entered into a transmitter during configuration.

Upper range limit: 39.37 ft/s

Vacuum limits: PTFE lining full vacuum to 60degC through 4in. Consult an Emerson flow representative for vacuum applications with line sizes of 6" or larger.

flow meters are designed to the standards defined in ASME B31.3. This standard is used as the basis for all of our other pressure vessel certifications, such as CRN and PED.

Table 10: Non-Wetted Materials

Sensor pipe	Type 304/304L SST
Flanges ⁽¹⁾	Raised-Face (RF)
Standard coil housing	Roiled carbon steel
Remote junction box	Painted aluminum
Paint	Polyurethane coat (2.6 mills or greater)

(1) Ambient temperature low limit for A105 carbon steel is -20 F (-29 C) per ANSI B16.5. For colder ambient environments, stainless steel flanges must be used.

Table 11: Process-Wetted Materials

Lining	PTFE
Electrodes	316L SST

Table 12: Electrical connections

Conduit entries	Available with 1/2-inch NPT and M20
Terminal block screws	6-32 (No. 6) suitable for up to 14 AWG wire
Safety grounding screws	External stainless assembly; M5, internal 8-32 (No. 8)

Rosemount 8795 functional specifications

Table 13: Materials of Construction

Standard housing	Low copper aluminum IEC 60529 IPX6, designed to Type 4X
Paint	Polyurethane coat (1.8 to 2.2 mils thick)
Cover gaskets	Aluminum housing: Buna-N

Table 14: Electrical connections

Conduit entries	Available in 1/2 NPT or M20. Refer to the Ordering table footnotes for details. [As part of this document? We should probably have a direct link.]
Terminal block screws	6-32 (No. 6) suitable for up to 14 AWG wire
Safety grounding screws	External stainless assembly; M5, internal 8-32 (No. 8)

Table 15: Vibration rating

8732EM Integral Mount	1G per IEC 61298
Remote mount	5G per IEC 61298
Dimensions	Dimensional drawings

Table 16: Weight

8732EM Transmitter only	Approximately 7 lb. (3.2 kg)
9732 Transmitter only	Approximately 9.8 lb. (4.4 kg)

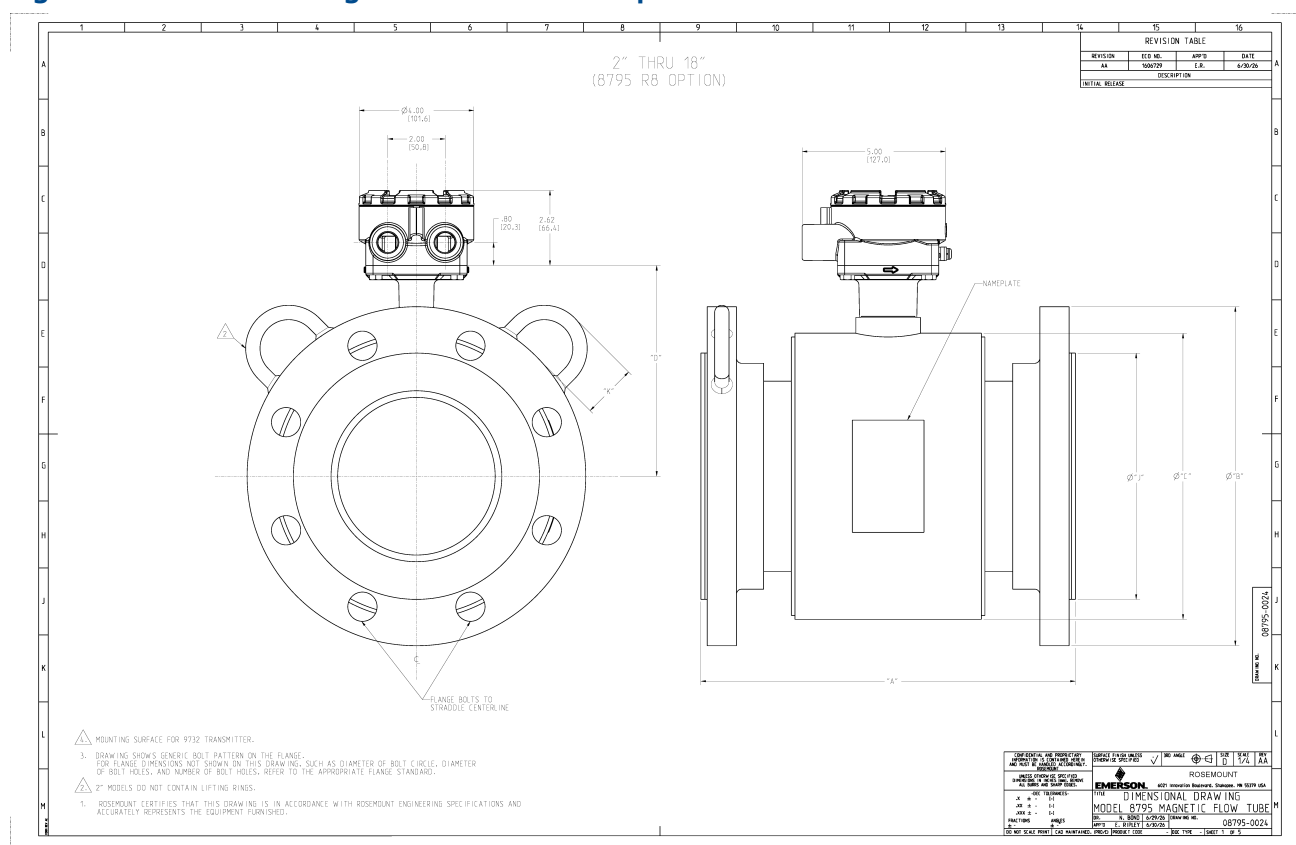
Product certifications

For detailed approval certification information and installation drawings, see the appropriate document:

- Approvals Document: Magnetic Flow Meter - Model 8795 | Rosemount, Document Number 00825-MA00-0018

Dimensional drawings

8795 Sensor

Figure 6: Model 8795 Magnetic Flow Tube R8 Option

2" THRU 18"
(8795 T8 OPTION)

FRONT VIEW

10"

7"

FLANGE BOLTS TO STRADDLE CENTERLINE

SIDE VIEW

NAMEPLATE

12"

Ø 7"

Ø 11"

Ø 13"

EMERSON

ROSEMOUNT

MODEL 8795 MAGNETIC FLOW TUBE

08795-0024

08795-0024

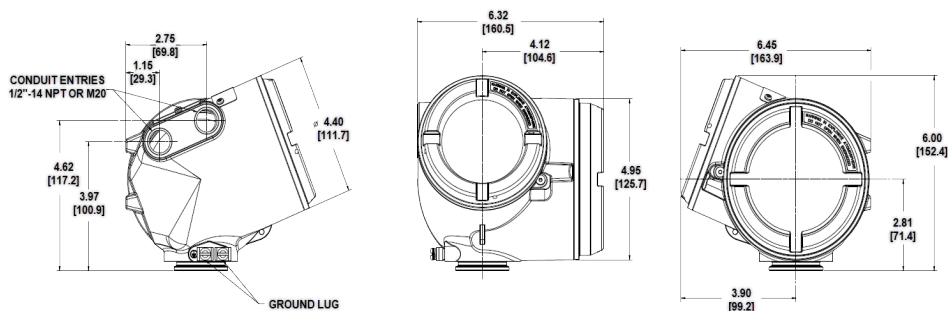
SIZE, DESCRIPTION	MODEL NUMBER	OVERALL LENGTH	FLANGE DIA DIM "B"	BODY DIA DIM "C"	DIM "O" CL to TA	LINER DIA ON FACE DIM "J"	LIFT RING HEIGHT DIM "K"	FLOW TUBE WEIGHT lbs (kg)
		DIM "A" PTFE						
2 (50) ASME - 150 , SO / RF	8795 _ _ _ 020C1	7.89 [200]	6.00 [152]	5.21 [132]	4.82 [122]	3.62 [92]		20.00 [9]
2 (50) EN1092-1 PN16, SO / RF	8795 _ _ _ 020CE	7.89 [200]	6.50 [165]	5.21 [132]	4.82 [122]	3.62 [92]		28.00 [13]
3 (80) ASME - 150 , SO / RF	8795 _ _ _ 030C1	7.91 [201]	7.50 [191]	7.21 [183]	5.82 [148]	5.00 [127]	1.70 [43]	34.00 [15]
3 (80) EN1092-1 PN16, SO / RF	8795 _ _ _ 030CE	7.91 [201]	7.87 [200]	7.21 [183]	5.82 [148]	5.43 [138]	1.70 [43]	38.00 [17]
4 (100) ASME - 150 , SO / RF	8795 _ _ _ 040C1	9.91 [252]	9.00 [229]	7.91 [201]	6.17 [157]	6.19 [157]	1.70 [43]	45.00 [20]
4 (100) EN1092-1 - PN16, SO / RF	8795 _ _ _ 040CE	9.86 [251]	8.66 [220]	7.91 [201]	6.17 [157]	6.22 [158]	1.70 [43]	41.00 [19]
6 (150) ASME - 150 , SO / RF	8795 _ _ _ 060C1	11.91 [303]	11.00 [279]	9.98 [253]	7.30 [185]	8.50 [216]	1.70 [43]	68.00 [31]
6 (150) EN1092-1 - PN16, SO / RF	8795 _ _ _ 060CE	11.91 [303]	11.22 [285]	9.98 [253]	7.30 [185]	8.35 [212]	1.70 [43]	67.00 [30]
8 (200) ASME - 150 , SO / RF	8795 _ _ _ 080C1	13.90 [353]	13.50 [343]	11.92 [303]	8.27 [210]	10.62 [270]	1.70 [43]	105.00 [48]
8 (200) EN1092-1 PN10, SO / RF	8795 _ _ _ 080CD	13.90 [353]	13.39 [340]	11.92 [303]	8.27 [210]	10.55 [268]	1.70 [43]	97.00 [44]
8 (200) EN1092-1 PN16, SO / RF	8795 _ _ _ 080CE	13.90 [353]	13.39 [340]	11.92 [303]	8.27 [210]	10.55 [268]	1.70 [43]	96.00 [44]
10 (250) ASME - 150 , SO / RF	8795 _ _ _ 100C1	15.05 [382]	16.00 [406]	14.64 [372]	9.69 [246]	12.75 [324]	2.00 [51]	152.00 [69]
10 (250) EN1092-1 PN10, SO / RF	8795 _ _ _ 100CD	15.05 [382]	15.55 [395]	14.64 [372]	9.69 [246]	12.60 [320]	2.00 [51]	134.00 [61]
10 (250) EN1092-1 PN16, SO / RF	8795 _ _ _ 100CE	15.05 [382]	15.94 [405]	14.64 [372]	9.69 [246]	12.60 [320]	2.00 [51]	138.00 [63]
12 (300) ASME - 150 , SO / RF	8795 _ _ _ 120C1	18.01 [457]	19.00 [483]	16.80 [427]	10.77 [274]	15.00 [381]	2.00 [51]	231.00 [105]
12 (300) EN1092-1 PN10, SO / RF	8795 _ _ _ 120CD	18.01 [457]	17.52 [445]	16.80 [427]	10.77 [274]	14.57 [370]	2.00 [51]	178.00 [81]
12 (300) EN1092-1 PN16, SO / RF	8795 _ _ _ 120CE	18.01 [457]	18.11 [460]	16.80 [427]	10.77 [274]	14.88 [378]	2.00 [51]	192.00 [87]
14 (350) ASME - 150 , SO / RF	8795 _ _ _ 140C1	20.91 [531]	21.00 [533]	18.92 [481]	11.83 [300]	16.25 [413]	2.00 [51]	300.00 [136]
14 (350) EN1092-1 PN10, SO / RF	8795 _ _ _ 140CD	20.91 [531]	19.88 [505]	18.92 [481]	11.83 [300]	16.93 [430]	2.00 [51]	252.00 [114]
14 (350) EN1092-1 PN16, SO / RF	8795 _ _ _ 140CE	20.91 [531]	20.47 [520]	18.92 [481]	11.83 [300]	17.24 [438]	2.00 [51]	276.00 [125]
16 (400) ASME - 150 , SO / RF	8795 _ _ _ 160C1	23.88 [607]	23.50 [597]	20.94 [532]	12.84 [326]	18.50 [470]	3.13 [80]	388.00 [176]
16 (400) EN1092-1 PN10, SO / RF	8795 _ _ _ 160CD	23.88 [607]	22.24 [565]	20.94 [532]	12.84 [326]	18.98 [482]	3.13 [80]	318.00 [144]
16 (400) EN1092-1 PN16, SO / RF	8795 _ _ _ 160CE	23.88 [607]	22.83 [580]	20.94 [532]	12.84 [326]	19.28 [490]	3.13 [80]	354.00 [161]
18 (450) ASME - 150 , SO / RF	8795 _ _ _ 180C1	26.85 [682]	25.00 [635]	23.46 [596]	14.10 [358]	21.00 [533]	3.13 [80]	451.00 [205]
18 (450) EN1092-1 PN10, SO / RF	8795 _ _ _ 180CD	26.85 [682]	24.21 [615]	23.46 [596]	14.10 [358]	20.94 [532]	3.13 [80]	381.00 [173]
18 (450) EN1092-1 PN16, SO / RF	8795 _ _ _ 180CE	26.85 [682]	25.20 [660]	23.46 [596]	14.10 [358]	21.65 [550]	3.13 [80]	434.00 [199]

[illegible]

SIZE, DESCRIPTION	MODEL NUMBER	OVERALL LENGTH	FLANGE DIA DIM "B"	BODY DIA DIM "C"	DIM "D" CL to TA	LINER DIA ON FACE DIM "J"	LIFT RING HEIGHT DIM "K"	FLOW TUBE WEIGHT [lbs [kg]
		DIM "A" PTFE						
2 (50) ASME - 150, SO / RF	8795 _ _ _ 020C1	7.89 [200]	6.00 [152]	5.21 [132]	7.20 [182]	3.62 [92]		20.62 [9]
2 (50) EN1092-1 PN16, SO / RF	8795 _ _ _ 020CE	7.89 [200]	6.50 [165]	5.21 [132]	7.20 [182]	3.62 [92]		28.62 [13]
3 (80) ASME - 150, SO / RF	8795 _ _ _ 030C1	7.91 [201]	7.50 [191]	7.21 [183]	8.20 [208]	5.00 [127]	1.70 [43]	34.62 [15]
3 (80) EN1092-1- PN16, SO / RF	8795 _ _ _ 030CE	7.91 [201]	7.87 [200]	7.21 [183]	8.20 [208]	5.43 [138]	1.70 [43]	38.62 [17]
4 (100) ASME - 150, SO / RF	8795 _ _ _ 040C1	9.91 [252]	9.00 [229]	7.91 [201]	8.55 [217]	6.19 [157]	1.70 [43]	45.62 [20]
4 (100) EN1092-1 - PN16, SO / RF	8795 _ _ _ 040CE	9.88 [251]	8.66 [220]	7.91 [201]	8.55 [217]	6.22 [158]	1.70 [43]	41.62 [19]
6 (150) ASME - 150, SO / RF	8795 _ _ _ 060C1	11.91 [303]	11.00 [279]	9.98 [253]	9.68 [245]	8.50 [216]	1.70 [43]	68.62 [31]
6 (150) EN1092-1 - PN16, SO / RF	8795 _ _ _ 060CE	11.91 [303]	11.22 [285]	9.98 [253]	9.68 [245]	8.35 [212]	1.70 [43]	67.62 [30]
8 (200) ASME - 150, SO / RF	8795 _ _ _ 080C1	13.90 [353]	13.50 [343]	11.92 [303]	10.65 [270]	10.62 [270]	1.70 [43]	105.62 [48]
8 (200) EN1092-1 PN10, SO / RF	8795 _ _ _ 080CD	13.90 [353]	13.39 [340]	11.92 [303]	10.65 [270]	10.55 [268]	1.70 [43]	97.62 [44]
8 (200) EN1092-1 PN16, SO / RF	8795 _ _ _ 080CE	13.90 [353]	13.39 [340]	11.92 [303]	10.65 [270]	10.55 [268]	1.70 [43]	96.62 [44]
10 (250) ASME - 150, SO / RF	8795 _ _ _ 100C1	15.05 [382]	16.00 [406]	14.64 [372]	12.07 [306]	12.75 [324]	2.00 [51]	152.62 [69]
10 (250) EN1092-1 PN10, SO / RF	8795 _ _ _ 100CD	15.05 [382]	15.55 [395]	14.64 [372]	12.07 [306]	12.60 [320]	2.00 [51]	136.62 [61]
10 (250) EN1092-1 PN16, SO / RF	8795 _ _ _ 100CE	15.05 [382]	15.94 [405]	14.64 [372]	12.07 [306]	12.60 [320]	2.00 [51]	138.62 [63]
12 (300) ASME - 150, SO / RF	8795 _ _ _ 120C1	18.01 [457]	19.00 [483]	16.80 [427]	13.15 [334]	15.00 [381]	2.00 [51]	231.62 [105]
12 (300) EN1092-1 PN10, SO / RF	8795 _ _ _ 120CD	18.01 [457]	17.52 [445]	16.80 [427]	13.15 [334]	14.57 [370]	2.00 [51]	178.62 [81]
12 (300) EN1092-1 PN16, SO / RF	8795 _ _ _ 120CE	18.01 [457]	18.11 [460]	16.80 [427]	13.15 [334]	14.88 [378]	2.00 [51]	192.62 [87]
14 (350) ASME - 150, SO / RF	8795 _ _ _ 140C1	20.91 [531]	21.00 [533]	18.92 [481]	14.21 [360]	16.25 [413]	2.00 [51]	300.62 [136]
14 (350) EN1092-1 PN10, SO / RF	8795 _ _ _ 140CD	20.91 [531]	19.88 [505]	18.92 [481]	14.21 [360]	16.93 [430]	2.00 [51]	252.62 [114]
14 (350) EN1092-1 PN16, SO / RF	8795 _ _ _ 140CE	20.91 [531]	20.47 [520]	18.92 [481]	14.21 [360]	17.24 [438]	2.00 [51]	276.62 [125]
16 (400) ASME - 150, SO / RF	8795 _ _ _ 160C1	23.88 [607]	23.50 [597]	20.94 [532]	15.22 [386]	18.50 [470]	3.13 [80]	388.62 [176]
16 (400) EN1092-1 PN10, SO / RF	8795 _ _ _ 160CD	23.88 [607]	22.24 [565]	20.94 [532]	15.22 [386]	18.98 [482]	3.13 [80]	318.62 [144]
16 (400) EN1092-1 PN16, SO / RF	8795 _ _ _ 160CE	23.88 [607]	22.83 [580]	20.94 [532]	15.22 [386]	19.28 [490]	3.13 [80]	354.62 [161]
18 (450) ASME - 150, SO / RF	8795 _ _ _ 180C1	26.85 [682]	25.00 [635]	23.46 [596]	16.48 [418]	21.00 [533]	3.13 [80]	451.62 [205]
18 (450) EN1092-1 PN10, SO / RF	8795 _ _ _ 180CD	26.85 [682]	24.21 [615]	23.46 [596]	16.48 [418]	20.94 [532]	3.13 [80]	381.62 [173]
18 (450) EN1092-1 PN16, SO / RF	8795 _ _ _ 180CE	26.85 [682]	25.20 [640]	23.46 [596]	16.48 [418]	21.65 [550]	3.13 [80]	434.62 [197]

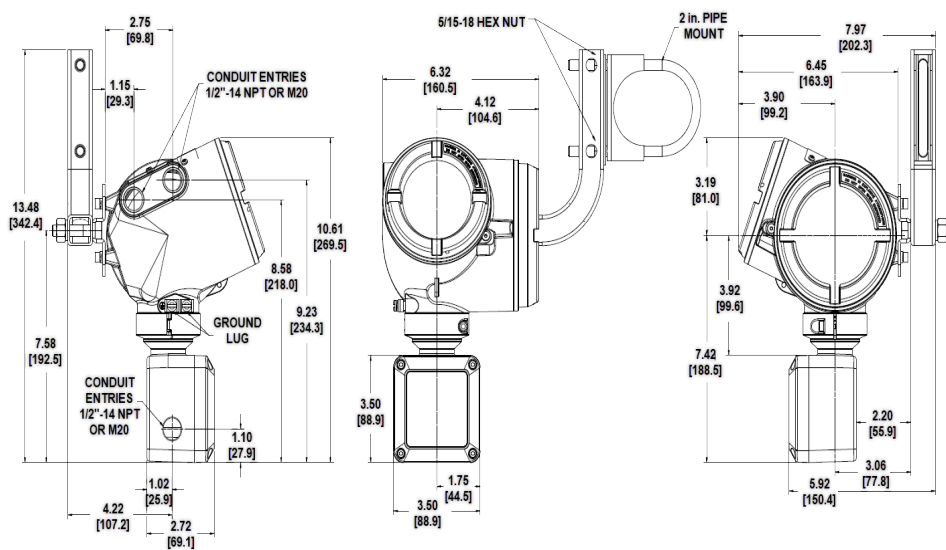
9732 Dimensional drawings

Figure 9: Transmitter - Aluminum and Stainless Steel Housing for Integral Installation



Dimensions are in inches [mm].

Figure 10: Transmitter - Aluminum and Stainless Steel Housing Remote Installation

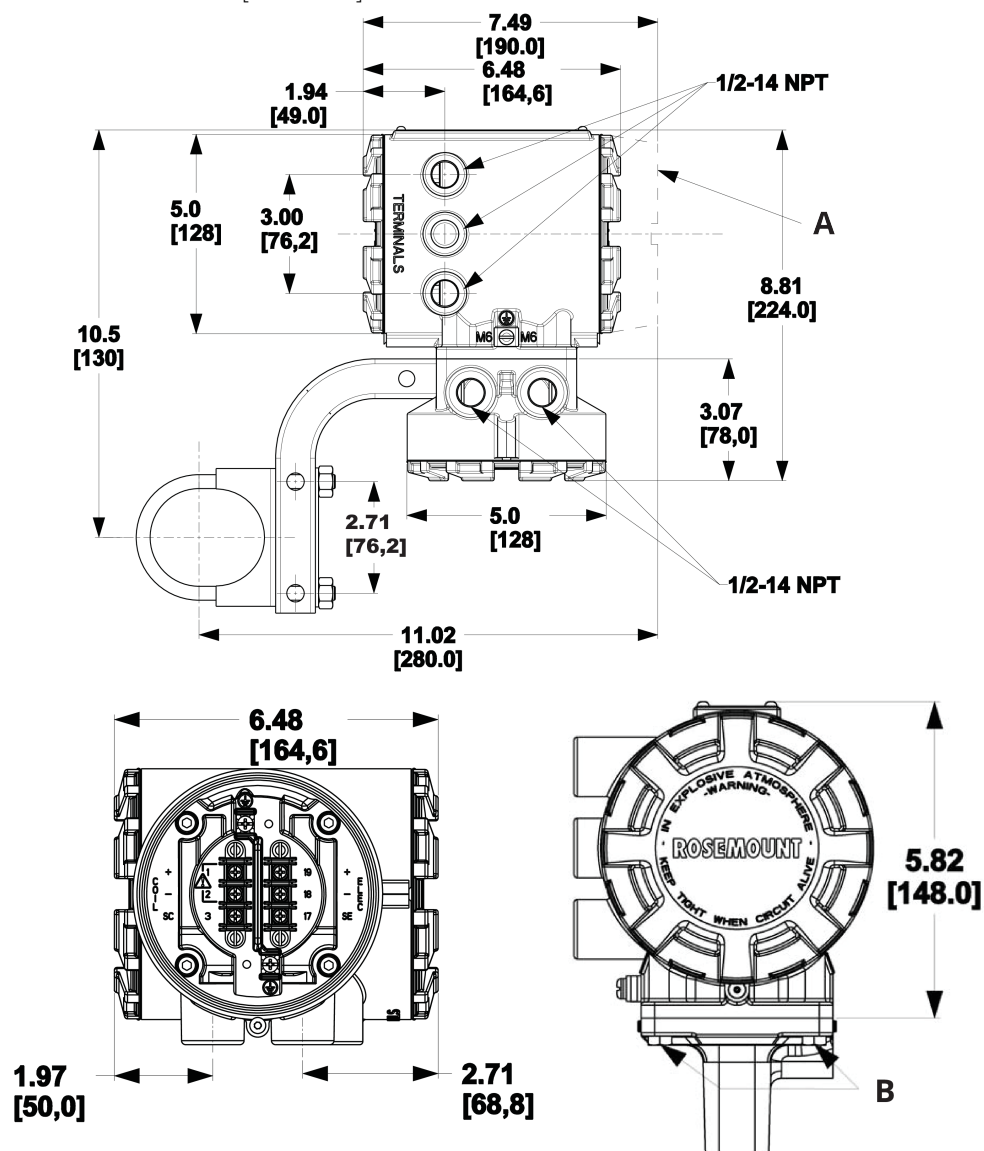


Dimensions are in inches [mm].

Field mount transmitter dimensions

Figure 11: Field Mount Transmitter Dimensions

Dimensions are in inches [millimeters].



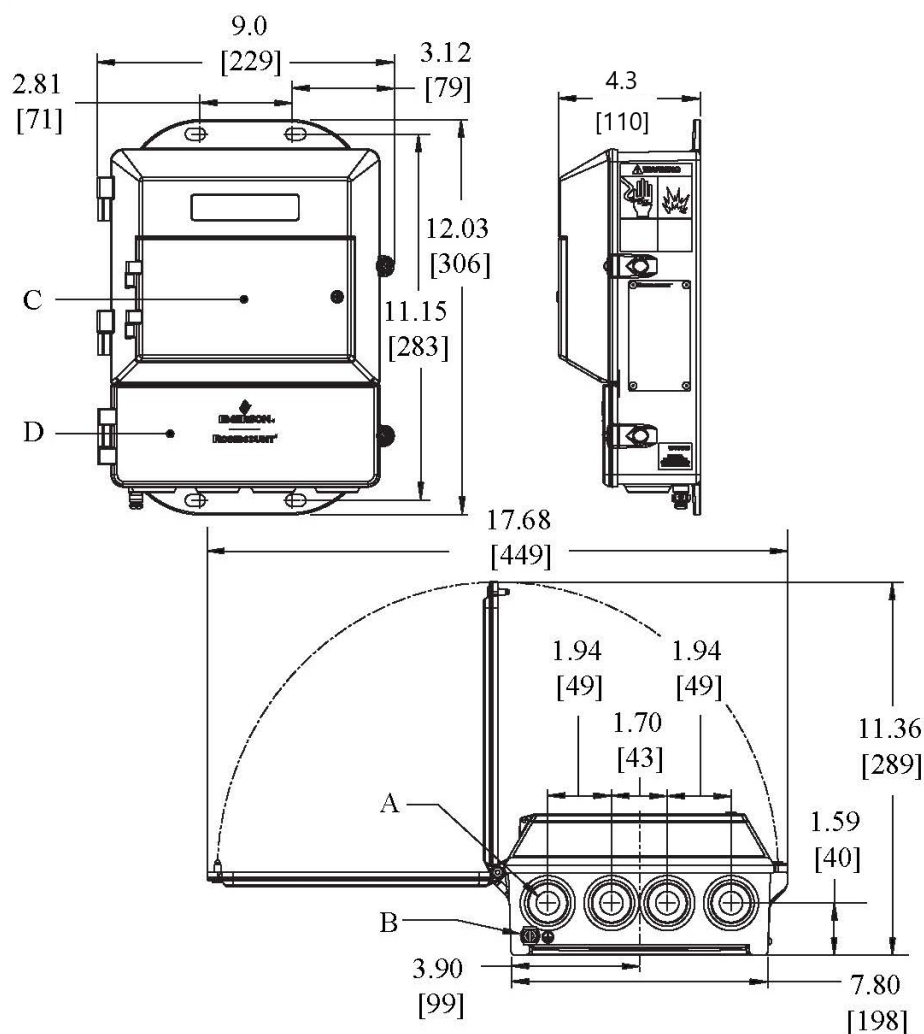
A. LOI cover

B. Mounting screws

Wall mount transmitter dimensions

Figure 12: Wall Mount Transmitter Dimensions

Dimensions are in inches [millimeters].



- A. Conduit entry, ½—14 NPT (4 places)
- B. Ground lug
- C. LOI keypad cover
- D. Lower cover opens for electrical connections

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